



1652

MS AF  
REPLY UNDER  
37 C.F.R. § 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 1652

PATENT  
0760-0303P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Niro INABA et al. Conf.: 8818  
Appl. No.: 10/087,775 Group: 1652  
Filed: March 5, 2002 Examiner: RAO, M.N.  
For: METHOD FOR PRODUCING PROTEINS

INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION AFTER FINAL REJECTION)

**MS AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

March 30, 2004

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449, attached hereto.

## II. COPIES

a.  This application was filed before June 30, 2003. Accordingly, submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.

b.  This application was filed on or after June 30, 2003. Accordingly, copies of cited U.S. patents and patent application publications therefore are not included. Copies of foreign patent documents

and non-patent literature are included.

**III. CONCISE EXPLANATION OF THE RELEVANCE**  
(check at least one box)

a.  **DOCUMENTS IN THE ENGLISH LANGUAGE**

The patents, publications, or other information listed on the attached PTO 1449 are in the English language and therefore, do not require a statement of relevancy.

b.  **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c.  **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(III)(A)(3).

d.  **OTHER**

The following additional information is provided for the Examiner's consideration.

**All references were cited in the European Search Report dated February 5, 2004 for the corresponding foreign application.**

FEES

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(d):

after the mailing date of a Final Action under § 1.113.

See the Statement Under 37 C.F.R. § 1.97(e).

V. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby states that

- a.  each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b.  no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS.
- c.  Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

VI. PAYMENT OF FEES (check one box)

A check in the amount of \$180.00 is enclosed for the fee required under 37 C.F.R. § 1.97(d) and as set forth in 37 C.F.R. § 1.17(p).

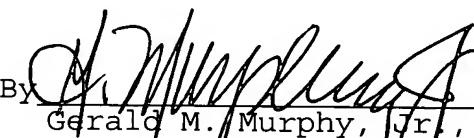
Please charge Deposit Account No. 02-2448 in the amount of \$180.00 for the fee required under 37 C.F.R. § 1.97(d) and as set forth in 37 C.F.R. § 1.17(p). A triplicate copy of this paper is attached.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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0760-0303P

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Attachment(s):  PTO-1449  
 Documents  
 Foreign Search Report  
 Fee  
 Other: \_\_\_\_\_

(Rev. 02/12/2004)

Form PTO-1449				ATTY. DOCKET NO. 0760-0303P	APPLICATION NO. 10/087, 775			
INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)				APPLICANT Niro INABA et al.				
				FILING DATE March 5, 2002	GROUP 1652			
<b>U.S. PATENT DOCUMENTS</b>								
EXAMINER INITIAL PAC/EP	DOCUMENT NUMBER	KIND	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
	US							
	US							
	US							
	US							
	US							
	US							
	US							
<b>FOREIGN PATENT DOCUMENTS</b>								
Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
<b>OTHER DOCUMENTS</b> (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)								
Y. BOUBLIK et al., "Eukaryotic Virus Display: Engineering the Major Surface Glycoprotein of the <i>Autographa californica</i> Nuclear Polyhedrosis Virus (AcNPV) for the Presentation of Foreign Proteins on the Virus Surface", <i>Bio/Technology</i> , Vol. 13, October 1995, pp. 1079-1084.								
W.F.J. IJKEL et al., "A Novel Baculovirus Envelope Fusion Protein with a Proprotein Convertase Cleavage Site", <i>Virology</i> , Vol. 275, 2000, pp. 30-41.								
V.A. MORAIS et al., "Expression and characterization of recombinant human $\alpha$ -3/4-fucosyltransferase III from <i>Spodoptera frugiperda</i> (Sf9) and <i>Trichoplusia ni</i> (Tn) cells using the baculovirus expression system", <i>Biochem. J.</i> , Vol. 353, 2001, pp. 719-725.								
F.M. AUSUBEL et al., "Introduction to Expression by Fusion Protein Vectors" and "Expression and Purification of Glutathione-S-Transferase Fusion Proteins", <i>Current Protocols in Molecular Biology</i> , 16.4.1-16.4.2 and 16.7.1 -16.7.7. (XP-002106919)								
W.J. ERNST et al., "Expanding baculovirus surface display; Modification of the native coat protein gp64 of <i>Autographa californica</i> NPV", <i>Eur. J. Biochem.</i> , Vol. 267 (13), 2000, pp. 4033-4039.								
R. GRABHERR et al., "Developments in the use of baculoviruses for the surface display of complex eukaryotic proteins", <i>Trends in Biotechnology</i> , Vol. 19, No. 6, June 2001, pp. 231-236.								
EXAMINER				DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								